

SEQUENCE LISTING

<110> Ji-Ming Wang
Joost J. Oppenheim
Shao-Bo Su
Wang-Hua Gong
Ji-Liang Gao
Philip M. Murphy

<120> UTILIZATION OF FPRL1 AS A FUNCTIONAL
RECEPTOR BY SERUM AMYLOID A (SAA)

<130> NIH173.001C1

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<151> 1999-09-22

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Ser Asp Lys
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Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
20 25 30
Ser Asp Lys Tyr Phe
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Met Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg
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 Ser Asp Lys Tyr Phe His
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 20 25 30
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 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr
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 20 25 30
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 Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
 20 25 30
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 35 40 45

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							5	10	15						

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							20	25	30						

Ser	Asp	Lys	Tyr	Phe	His	Ala	Arg	Gly	Asn	Tyr	Asp	Ala	Ala		
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							5	10	15						

Asp	Met	Trp	Arg	Ala	Tyr	Ser	Asp	Met	Arg	Glu	Ala	Asn	Tyr	Ile	Gly
							20	25	30						

Ser	Asp	Lys	Tyr	Phe	His	Ala	Arg	Gly	Asn	Tyr	Asp	Ala	Ala	Lys	
							35	40	45						

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							5	10	15						

Asp	Met	Trp	Arg	Ala	Tyr	Ser	Asp	Met	Arg	Glu	Ala	Asn	Tyr	Ile	Gly
							20	25	30						

Ser	Asp	Lys	Tyr	Phe	His	Ala	Arg	Gly	Asn	Tyr	Asp	Ala	Ala	Lys	Arg
							35	40	45						

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							5	10	15						

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							20	25	30						

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							35	40	45						

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Gly Pro
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35 40 45
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20 25 30
Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
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Ala	Tyr	Ser	Asp
Met	Arg	Glu	Ala
Asn	Tyr	Ile	Gly

20	25	30
Ser	Asp	Lys
Tyr	Phe	His
Ala	Arg	Gly
Asn	Tyr	Asp
Ala	Ala	Lys
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Gly	Pro	Gly
Gly	Val	

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Gly	Glu	Ala	Phe
Asp	Gly	Ala	Arg

20	25	30
Asp	Met	Trp
Trp	Arg	Ala
Tyr	Ser	Asp
Met	Arg	Glu
Ala	Asn	Tyr
Ile	Gly	

35	40	45
Ser	Asp	Lys
Tyr	Phe	His
Ala	Arg	Gly
Asn	Tyr	Asp
Ala	Ala	Lys
	Arg	

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Phe	Ser	Phe	Leu
Gly	Glu	Ala	Phe
Asp	Gly	Ala	Arg

20	25	30
Asp	Met	Trp
Trp	Arg	Ala
Tyr	Ser	Asp
Met	Arg	Glu
Ala	Asn	Tyr
Ile	Gly	

35	40	45
Ser	Asp	Lys
Tyr	Phe	His
Ala	Arg	Gly
Asn	Tyr	Asp
Ala	Ala	Lys
	Arg	

Gly Pro Gly Val Trp Ala
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Phe	Ser	Phe	Leu
Gly	Glu	Ala	Phe
Asp	Gly	Ala	Arg

20	25	30
Asp	Met	Trp
Trp	Arg	Ala
Tyr	Ser	Asp
Met	Arg	Glu
Ala	Asn	Tyr
Ile	Gly	

35	40	45
Ser	Asp	Lys
Tyr	Phe	His
Ala	Arg	Gly
Asn	Tyr	Asp
Ala	Ala	Lys
	Arg	

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20 25 30
Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
35 40 45
Gly Pro Gly Gly Val Trp Ala Ala Glu Ala
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20 25 30
Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
35 40 45
Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile
50 55

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<400> 58

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 Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
 20 25 30
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35 40 45
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser
 50 55 60

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 35 40 45
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn
 50 55 60

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<400> 60

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 1 5 10 15
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 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35 40 45
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala
 50 55 60

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<400> 61

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 35 40 45

Gly Pro Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg
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 1 5 10 15
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 35 40 45
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 20 25 30
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 35 40 45
 Gly Pro Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
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 Asn Ile
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 1 5 10 15
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 20 25 30
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 35 40 45
 Gly Pro Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 50 55 60
 Asn Ile Gln
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20 25 30
Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
35 40 45
Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
50 55 60
Asn Ile Gln Arg
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1 5 10 15
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20 25 30
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35 40 45
Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
50 55 60
Asn Ile Gln Arg Phe
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20 25 30
Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
35 40 45
Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
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Asn Ile Gln Arg Phe Phe
65 70

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20 25 30
Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
35 40 45
Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
50 55 60
Asn Ile Gln Arg Phe Phe Gly
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Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
20 25 30
Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
35 40 45
Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
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Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
20 25 30
Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
35 40 45
Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
50 55 60
Asn Ile Gln Arg Phe Phe Gly Arg Gly
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 20 25 30
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35 40 45
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 50 55 60
 Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala
 65 70

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 20 25 30
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35 40 45
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 50 55 60
 Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu
 65 70 75

<210> 73
 <211> 76
 <212> PRT
 <213> Homo Sapiens

<400> 73
 Met Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg
 1 5 10 15
 Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
 20 25 30
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35 40 45
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 50 55 60
 Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp
 65 70 75

<210> 74
 <211> 77

<212> PRT

<213> Homo Sapiens

<400> 74

Met Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg
 1 5 10 15
 Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
 20 25 30
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35 40 45
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 50 55 60
 Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser
 65 70 75

<210> 75

<211> 78

<212> PRT

<213> Homo Sapiens

<400> 75

Met Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg
 1 5 10 15
 Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
 20 25 30
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35 40 45
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 50 55 60
 Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu
 65 70 75

<210> 76

<211> 79

<212> PRT

<213> Homo Sapiens

<400> 76

Met Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg
 1 5 10 15
 Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
 20 25 30
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35 40 45
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 50 55 60
 Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala
 65 70 75

<210> 77

<211> 80

<212> PRT

<213> Homo Sapiens

<400> 77

Met	Arg	Ser	Phe	Phe	Ser	Phe	Leu	Gly	Glu	Ala	Phe	Asp	Gly	Ala	Arg
1															
								5	10	15					
Asp	Met	Trp	Arg	Ala	Tyr	Ser	Asp	Met	Arg	Glu	Ala	Asn	Tyr	Ile	Gly
20															
								25	30						
Ser	Asp	Lys	Tyr	Phe	His	Ala	Arg	Gly	Asn	Tyr	Asp	Ala	Ala	Lys	Arg
35															
								40	45						
Gly	Pro	Gly	Gly	Val	Trp	Ala	Ala	Glu	Ala	Ile	Ser	Asn	Ala	Arg	Glu
50															
								55	60						
Asn	Ile	Gln	Arg	Phe	Phe	Gly	Arg	Gly	Ala	Glu	Asp	Ser	Leu	Ala	Asp
65															
								70	75	80					

<210> 78

<211> 81

<212> PRT

<213> Homo Sapiens

<400> 78

Met	Arg	Ser	Phe	Phe	Ser	Phe	Leu	Gly	Glu	Ala	Phe	Asp	Gly	Ala	Arg
1															
								5	10	15					
Asp	Met	Trp	Arg	Ala	Tyr	Ser	Asp	Met	Arg	Glu	Ala	Asn	Tyr	Ile	Gly
20															
								25	30						
Ser	Asp	Lys	Tyr	Phe	His	Ala	Arg	Gly	Asn	Tyr	Asp	Ala	Ala	Lys	Arg
35															
								40	45						
Gly	Pro	Gly	Gly	Val	Trp	Ala	Ala	Glu	Ala	Ile	Ser	Asn	Ala	Arg	Glu
50															
								55	60						
Asn	Ile	Gln	Arg	Phe	Phe	Gly	Arg	Gly	Ala	Glu	Asp	Ser	Leu	Ala	Asp
65															
								70	75	80					
Gln															

<210> 79

<211> 82

<212> PRT

<213> Homo Sapiens

<400> 79

Met	Arg	Ser	Phe	Phe	Ser	Phe	Leu	Gly	Glu	Ala	Phe	Asp	Gly	Ala	Arg
1															
								5	10	15					
Asp	Met	Trp	Arg	Ala	Tyr	Ser	Asp	Met	Arg	Glu	Ala	Asn	Tyr	Ile	Gly
20															
								25	30						
Ser	Asp	Lys	Tyr	Phe	His	Ala	Arg	Gly	Asn	Tyr	Asp	Ala	Ala	Lys	Arg
35															
								40	45						
Gly	Pro	Gly	Gly	Val	Trp	Ala	Ala	Glu	Ala	Ile	Ser	Asn	Ala	Arg	Glu
50															
								55	60						
Asn	Ile	Gln	Arg	Phe	Phe	Gly	Arg	Gly	Ala	Glu	Asp	Ser	Leu	Ala	Asp
65															
								70	75	80					
Gln	Ala														

<210> 80
<211> 83
<212> PRT
<213> Homo Sapiens

<400> 80
Met Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg
1 5 10 15
Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
20 25 30
Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
35 40 45
Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
50 55 60
Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
65 70 75 80
Gln Ala Ala

<210> 81
<211> 84
<212> PRT
<213> Homo Sapiens

<400> 81
Met Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg
1 5 10 15
Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
20 25 30
Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
35 40 45
Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
50 55 60
Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
65 70 75 80
Gln Ala Ala Asn

<210> 82
<211> 85
<212> PRT
<213> Homo Sapiens

<400> 82
Met Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg
1 5 10 15
Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
20 25 30
Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
35 40 45
Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
50 55 60
Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp

65	70	75	80
Gln Ala Ala Asn Glu			
85			

<210> 83
<211> 86
<212> PRT
<213> Homo Sapiens

<400> 83
Met Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg
1 5 10 15
Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
20 25 30
Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
35 40 45
Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
50 55 60
Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
65 70 75 80
Gln Ala Ala Asn Glu Trp
85

<210> 84
<211> 87
<212> PRT
<213> Homo Sapiens

<400> 84
Met Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg
1 5 10 15
Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
20 25 30
Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
35 40 45
Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
50 55 60
Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
65 70 75 80
Gln Ala Ala Asn Glu Trp Gly
85

<210> 85
<211> 88
<212> PRT
<213> Homo Sapiens

<400> 85
Met Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg
1 5 10 15
Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
20 25 30

Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35 40 45
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 50 55 60
 Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
 65 70 75 80
 Gln Ala Ala Asn Glu Trp Gly Arg
 85

<210> 86
<211> 89
<212> PRT
<213> Homo Sapiens

<400> 86
 Met Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg
 1 5 10 15
 Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
 20 25 30
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35 40 45
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 50 55 60
 Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
 65 70 75 80
 Gln Ala Ala Asn Glu Trp Gly Arg Ser
 85

<210> 87
<211> 90
<212> PRT
<213> Homo Sapiens

<400> 87
 Met Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg
 1 5 10 15
 Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
 20 25 30
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35 40 45
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 50 55 60
 Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
 65 70 75 80
 Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly
 85 90

<210> 88
<211> 91
<212> PRT
<213> Homo Sapiens

<400> 88

Met Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg
 1 5 10 15
 Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
 20 25 30
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35 40 45
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 50 55 60
 Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
 65 70 75 80
 Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys
 85 90

<210> 89

<211> 92

<212> PRT

<213> Homo Sapiens

<400> 89

Met Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg
 1 5 10 15
 Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
 20 25 30
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35 40 45
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 50 55 60
 Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
 65 70 75 80
 Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp
 85 90

<210> 90

<211> 93

<212> PRT

<213> Homo Sapiens

<400> 90

Met Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg
 1 5 10 15
 Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
 20 25 30
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35 40 45
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 50 55 60
 Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
 65 70 75 80
 Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro
 85 90

<210> 91
<211> 94
<212> PRT
<213> Homo Sapiens

<400> 91
Met Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg
1 5 10 15
Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
20 25 30
Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
35 40 45
Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
50 55 60
Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
65 70 75 80
Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn
85 90

<210> 92
<211> 95
<212> PRT
<213> Homo Sapiens

<400> 92
Met Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg
1 5 10 15
Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
20 25 30
Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
35 40 45
Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
50 55 60
Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
65 70 75 80
Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His
85 90 95

<210> 93
<211> 96
<212> PRT
<213> Homo Sapiens

<400> 93
Met Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg
1 5 10 15
Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
20 25 30
Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
35 40 45
Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
50 55 60
Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp

65 70 75 80
 Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe
 85 90 95

<210> 94

<211> 97

<212> PRT

<213> Homo Sapiens

<400> 94
 Met Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg
 1 5 10 15
 Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
 20 25 30
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35 40 45
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 50 55 60
 Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
 65 70 75 80
 Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe
 85 90 95
 Arg

<210> 95

<211> 98

<212> PRT

<213> Homo Sapiens

<400> 95
 Met Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg
 1 5 10 15
 Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
 20 25 30
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35 40 45
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 50 55 60
 Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
 65 70 75 80
 Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe
 85 90 95
 Arg Pro

<210> 96

<211> 99

<212> PRT

<213> Homo Sapiens

<400> 96

Met Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg
 1 5 10 15
 Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
 20 25 30
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35 40 45
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 50 55 60
 Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
 65 70 75 80
 Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe
 85 90 95
 Arg Pro Ala

<210> 97
<211> 100
<212> PRT
<213> Homo Sapiens

<400> 97
 Met Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg
 1 5 10 15
 Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
 20 25 30
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35 40 45
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 50 55 60
 Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
 65 70 75 80
 Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe
 85 90 95
 Arg Pro Ala Gly
 100

<210> 98
<211> 101
<212> PRT
<213> Homo Sapiens

<400> 98
 Met Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg
 1 5 10 15
 Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
 20 25 30
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35 40 45
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 50 55 60
 Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
 65 70 75 80
 Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe

85	90	95
Arg Pro Ala Gly Leu		
100		

<210> 99
<211> 102
<212> PRT
<213> Homo Sapiens

<400> 99
Met Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg
1 5 10 15
Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
20 25 30
Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
35 40 45
Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
50 55 60
Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
65 70 75 80
Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe
85 90 95
Arg Pro Ala Gly Leu Pro
100

<210> 100
<211> 103
<212> PRT
<213> Homo Sapiens

<400> 100
Met Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg
1 5 10 15
Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
20 25 30
Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
35 40 45
Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
50 55 60
Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
65 70 75 80
Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe
85 90 95
Arg Pro Ala Gly Leu Pro Glu
100

<210> 101
<211> 104
<212> PRT
<213> Homo Sapiens

<400> 101

Met Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg
 1 5 10 15
 Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
 20 25 30
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 35 40 45
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 50 55 60
 Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
 65 70 75 80
 Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe
 85 90 95
 Arg Pro Ala Gly Leu Pro Glu Lys
 100

<210> 102
<211> 104
<212> PRT
<213> Homo Sapiens

<400> 102
 Arg Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg Asp
 1 5 10 15
 Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly Ser
 20 25 30
 Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly
 35 40 45
 Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn
 50 55 60
 Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln
 65 70 75 80
 Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg
 85 90 95
 Pro Ala Gly Leu Pro Glu Lys Tyr
 100

<210> 103
<211> 103
<212> PRT
<213> Homo Sapiens

<400> 103
 Ser Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg Asp Met
 1 5 10 15
 Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly Ser Asp
 20 25 30
 Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro
 35 40 45
 Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile
 50 55 60
 Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala
 65 70 75 80
 Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro

85	90	95
Ala Gly Leu Pro Glu Lys Tyr		
100		

<210> 104

<211> 102

<212> PRT

<213> Homo Sapiens

<400> 104

Phe Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg Asp Met Trp

1 5 10 15

Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly Ser Asp Lys

20 25 30

Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly

35 40 45

Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln

50 55 60

Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala

65 70 75 80

Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala

85 90 95

Gly Leu Pro Glu Lys Tyr

100

<210> 105

<211> 101

<212> PRT

<213> Homo Sapiens

<400> 105

Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg Asp Met Trp Arg

1 5 10 15

Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly Ser Asp Lys Tyr

20 25 30

Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly

35 40 45

Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg

50 55 60

Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn

65 70 75 80

Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly

85 90 95

Leu Pro Glu Lys Tyr

100

<210> 106

<211> 100

<212> PRT

<213> Homo Sapiens

<400> 106

Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg Asp Met Trp Arg Ala
 1 5 10 15
 Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe
 20 25 30
 His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val
 35 40 45
 Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe
 50 55 60
 Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu
 65 70 75 80
 Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu
 85 90 95
 Pro Glu Lys Tyr
 100

<210> 107
<211> 99
<212> PRT
<213> Homo Sapiens

<400> 107
 Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg Asp Met Trp Arg Ala Tyr
 1 5 10 15
 Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His
 20 25 30
 Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp
 35 40 45
 Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe
 50 55 60
 Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp
 65 70 75 80
 Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro
 85 90 95
 Glu Lys Tyr

<210> 108
<211> 98
<212> PRT
<213> Homo Sapiens

<400> 108
 Leu Gly Glu Ala Phe Asp Gly Ala Arg Asp Met Trp Arg Ala Tyr Ser
 1 5 10 15
 Asp Met Arg Glu Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His Ala
 20 25 30
 Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala
 35 40 45
 Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly
 50 55 60
 Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly
 65 70 75 80
 Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu

85	90	95
Lys	Tyr	

<210> 109
<211> 97
<212> PRT
<213> Homo Sapiens

<400> 109
Gly Glu Ala Phe Asp Gly Ala Arg Asp Met Trp Arg Ala Tyr Ser Asp
1 5 10 15
Met Arg Glu Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His Ala Arg
20 25 30
Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Val Trp Ala Ala
35 40 45
Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg
50 55 60
Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg
65 70 75 80
Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys
85 90 95
Tyr

<210> 110
<211> 96
<212> PRT
<213> Homo Sapiens

<400> 110
Glu Ala Phe Asp Gly Ala Arg Asp Met Trp Arg Ala Tyr Ser Asp Met
1 5 10 15
Arg Glu Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His Ala Arg Gly
20 25 30
Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Val Trp Ala Ala Glu
35 40 45
Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly
50 55 60
Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser
65 70 75 80
Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
85 90 95

<210> 111
<211> 95
<212> PRT
<213> Homo Sapiens

<400> 111
Ala Phe Asp Gly Ala Arg Asp Met Trp Arg Ala Tyr Ser Asp Met Arg
1 5 10 15

Glu Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His Ala Arg Gly Asn
 20 25 30
 Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala
 35 40 45
 Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala
 50 55 60
 Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly
 65 70 75 80
 Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 85 90 95

<210> 112
<211> 94
<212> PRT
<213> Homo Sapiens

<400> 112
Phe Asp Gly Ala Arg Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu
 1 5 10 15
Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr
 20 25 30
Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile
 35 40 45
Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu
 50 55 60
Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys
 65 70 75 80
Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 85 90

<210> 113
<211> 93
<212> PRT
<213> Homo Sapiens

<400> 113
Asp Gly Ala Arg Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala
 1 5 10 15
Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp
 20 25 30
Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser
 35 40 45
Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp
 50 55 60
Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp
 65 70 75 80
Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 85 90

<210> 114
<211> 92
<212> PRT

<213> Homo Sapiens

<400> 114
 Gly Ala Arg Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn
 1 5 10 15
 Tyr Ile Gly Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala
 20 25 30
 Ala Lys Arg Gly Pro Gly Val Trp Ala Ala Glu Ala Ile Ser Asn
 35 40 45
 Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser
 50 55 60
 Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro
 65 70 75 80
 Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 85 90

<210> 115

<211> 91
 <212> PRT
 <213> Homo Sapiens

<400> 115
 Ala Arg Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr
 1 5 10 15
 Ile Gly Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala
 20 25 30
 Lys Arg Gly Pro Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala
 35 40 45
 Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu
 50 55 60
 Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn
 65 70 75 80
 His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 85 90

<210> 116

<211> 90
 <212> PRT
 <213> Homo Sapiens

<400> 116
 Arg Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile
 1 5 10 15
 Gly Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys
 20 25 30
 Arg Gly Pro Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg
 35 40 45
 Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala
 50 55 60
 Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His
 65 70 75 80
 Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 85 90

<210> 117
<211> 89
<212> PRT
<213> Homo Sapiens

<400> 117
Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
1 5 10 15
Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
20 25 30
Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
35 40 45
Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
50 55 60
Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe
65 70 75 80
Arg Pro Ala Gly Leu Pro Glu Lys Tyr
85

<210> 118
<211> 88
<212> PRT
<213> Homo Sapiens

<400> 118
Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly Ser
1 5 10 15
Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly
20 25 30
Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn
35 40 45
Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln
50 55 60
Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg
65 70 75 80
Pro Ala Gly Leu Pro Glu Lys Tyr
85

<210> 119
<211> 87
<212> PRT
<213> Homo Sapiens

<400> 119
Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly Ser Asp
1 5 10 15
Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro
20 25 30
Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile
35 40 45
Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala

50 55 60
 Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro
 65 70 75 80
 Ala Gly Leu Pro Glu Lys Tyr
 85

<210> 120
<211> 86
<212> PRT
<213> Homo Sapiens

<400> 120
 Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly Ser Asp Lys
 1 5 10 15
 Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly
 20 25 30
 Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln
 35 40 45
 Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala
 50 55 60
 Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala
 65 70 75 80
 Gly Leu Pro Glu Lys Tyr
 85

<210> 121
<211> 84
<212> PRT
<213> Homo Sapiens

<400> 121
 Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe
 1 5 10 15
 His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val
 20 25 30
 Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe
 35 40 45
 Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu
 50 55 60
 Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu
 65 70 75 80
 Pro Glu Lys Tyr

<210> 122
<211> 83
<212> PRT
<213> Homo Sapiens

<400> 122
 Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His
 1 5 10 15

Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp
 20 25 30
 Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe
 35 40 45
 Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp
 50 55 60
 Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro
 65 70 75 80
 Glu Lys Tyr

<210> 123
 <211> 82
 <212> PRT
 <213> Homo Sapiens

<400> 123
 Asp Met Arg Glu Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His Ala
 1 5 10 15
 Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala
 20 25 30
 Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly
 35 40 45
 Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly
 50 55 60
 Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu
 65 70 75 80
 Lys Tyr

<210> 124
 <211> 81
 <212> PRT
 <213> Homo Sapiens

<400> 124
 Met Arg Glu Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His Ala Arg
 1 5 10 15
 Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala
 20 25 30
 Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg
 35 40 45
 Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg
 50 55 60
 Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys
 65 70 75 80
 Tyr

<210> 125
 <211> 80
 <212> PRT

<213> Homo Sapiens

<400> 125
 Arg Glu Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His Ala Arg Gly
 1 5 10 15
 Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu
 20 25 30
 Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly
 35 40 45
 Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser
 50 55 60
 Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 65 70 75 80

<210> 126

<211> 79
 <212> PRT
 <213> Homo Sapiens

<400> 126
 Glu Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His Ala Arg Gly Asn
 1 5 10 15
 Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala
 20 25 30
 Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala
 35 40 45
 Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly
 50 55 60
 Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 65 70 75

<210> 127

<211> 78
 <212> PRT
 <213> Homo Sapiens

<400> 127
 Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr
 1 5 10 15
 Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile
 20 25 30
 Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu
 35 40 45
 Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys
 50 55 60
 Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 65 70 75

<210> 128

<211> 77
 <212> PRT
 <213> Homo Sapiens

<400> 128

Asn	Tyr	Ile	Gly	Ser	Asp	Lys	Tyr	Phe	His	Ala	Arg	Gly	Asn	Tyr	Asp
1		5		10		15									
Ala	Ala	Lys	Arg	Gly	Pro	Gly	Gly	Val	Trp	Ala	Ala	Glu	Ala	Ile	Ser
20		25		30											
Asn	Ala	Arg	Glu	Asn	Ile	Gln	Arg	Phe	Phe	Gly	Arg	Gly	Ala	Glu	Asp
35		40		45											
Ser	Leu	Ala	Asp	Gln	Ala	Ala	Asn	Trp	Gly	Arg	Ser	Gly	Lys	Asp	
50		55		60											
Pro	Asn	His	Phe	Arg	Pro	Ala	Gly	Leu	Pro	Glu	Lys	Tyr			
65		70		75											

<210> 129

<211> 76

<212> PRT

<213> Homo Sapiens

<400> 129

Tyr	Ile	Gly	Ser	Asp	Lys	Tyr	Phe	His	Ala	Arg	Gly	Asn	Tyr	Asp	Ala
1		5		10		15									
Ala	Lys	Arg	Gly	Pro	Gly	Gly	Val	Trp	Ala	Ala	Glu	Ala	Ile	Ser	Asn
20		25		30											
Ala	Arg	Glu	Asn	Ile	Gln	Arg	Phe	Phe	Gly	Arg	Gly	Ala	Glu	Asp	Ser
35		40		45											
Leu	Ala	Asp	Gln	Ala	Ala	Asn	Trp	Gly	Arg	Ser	Gly	Lys	Asp	Pro	
50		55		60											
Asn	His	Phe	Arg	Pro	Ala	Gly	Leu	Pro	Glu	Lys	Tyr				
65		70		75											

<210> 130

<211> 75

<212> PRT

<213> Homo Sapiens

<400> 130

Ile	Gly	Ser	Asp	Lys	Tyr	Phe	His	Ala	Arg	Gly	Asn	Tyr	Asp	Ala	Ala
1		5		10		15									
Lys	Arg	Gly	Pro	Gly	Gly	Val	Trp	Ala	Ala	Glu	Ala	Ile	Ser	Asn	Ala
20		25		30											
Arg	Glu	Asn	Ile	Gln	Arg	Phe	Phe	Gly	Arg	Gly	Ala	Glu	Asp	Ser	Leu
35		40		45											
Ala	Asp	Gln	Ala	Ala	Asn	Glu	Trp	Gly	Arg	Ser	Gly	Lys	Asp	Pro	Asn
50		55		60											
His	Phe	Arg	Pro	Ala	Gly	Leu	Pro	Glu	Lys	Tyr					
65		70		75											

<210> 131

<211> 74

<212> PRT

<213> Homo Sapiens

<400> 131
 Gly Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys
 1 5 10 15
 Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg
 20 25 30
 Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala
 35 40 45
 Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His
 50 55 60
 Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 65 70

<210> 132
<211> 73
<212> PRT
<213> Homo Sapiens

<400> 132
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 1 5 10 15
 Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 20 25 30
 Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
 35 40 45
 Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe
 50 55 60
 Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 65 70

<210> 133
<211> 72
<212> PRT
<213> Homo Sapiens

<400> 133
 Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly
 1 5 10 15
 Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn
 20 25 30
 Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln
 35 40 45
 Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg
 50 55 60
 Pro Ala Gly Leu Pro Glu Lys Tyr
 65 70

<210> 134
<211> 71
<212> PRT
<213> Homo Sapiens

<400> 134

Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro
 1 5 10 15
 Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile
 20 25 30
 Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala
 35 40 45
 Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro
 50 55 60
 Ala Gly Leu Pro Glu Lys Tyr
 65 70

<210> 135
 <211> 70
 <212> PRT
 <213> Homo Sapiens

<400> 135
 Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly
 1 5 10 15
 Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln
 20 25 30
 Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala
 35 40 45
 Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala
 50 55 60
 Gly Leu Pro Glu Lys Tyr
 65 70

<210> 136
 <211> 69
 <212> PRT
 <213> Homo Sapiens

<400> 136
 Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly
 1 5 10 15
 Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg
 20 25 30
 Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn
 35 40 45
 Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly
 50 55 60
 Leu Pro Glu Lys Tyr
 65

<210> 137
 <211> 68
 <212> PRT
 <213> Homo Sapiens

<400> 137
 His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Val

1	5	10	15												
Trp	Ala	Glu	Ala	Ile	Ser	Asn	Ala	Arg	Glu	Asn	Ile	Gln	Arg	Phe	
20	25	30													
Phe	Gly	Arg	Gly	Ala	Glu	Asp	Ser	Leu	Ala	Asp	Gln	Ala	Ala	Asn	Glu
35	40	45													
Trp	Gly	Arg	Ser	Gly	Lys	Asp	Pro	Asn	His	Phe	Arg	Pro	Ala	Gly	Leu
50	55	60													
Pro	Glu	Lys	Tyr												
65															

<210> 138
<211> 67
<212> PRT
<213> Homo Sapiens

1	5	10	15												
Ala	Arg	Gly	Asn	Tyr	Asp	Ala	Ala	Lys	Arg	Gly	Pro	Gly	Gly	Val	Trp
20	25	30													
Ala	Ala	Glu	Ala	Ile	Ser	Asn	Ala	Arg	Glu	Asn	Ile	Gln	Arg	Phe	Phe
35	40	45													
Gly	Arg	Gly	Ala	Glu	Asp	Ser	Leu	Ala	Asp	Gln	Ala	Ala	Asn	Glu	Trp
50	55	60													
Gly	Arg	Ser	Gly	Lys	Asp	Pro	Asn	His	Phe	Arg	Pro	Ala	Gly	Leu	Pro
65															
Glu	Lys	Tyr													

<210> 139
<211> 66
<212> PRT
<213> Homo Sapiens

1	5	10	15												
Arg	Gly	Asn	Tyr	Asp	Ala	Ala	Lys	Arg	Gly	Pro	Gly	Gly	Val	Trp	Ala
20	25	30													
Ala	Glu	Ala	Ile	Ser	Asn	Ala	Arg	Glu	Asn	Ile	Gln	Arg	Phe	Phe	Gly
35	40	45													
Arg	Gly	Ala	Glu	Asp	Ser	Leu	Ala	Asp	Gln	Ala	Ala	Asn	Glu	Trp	Gly
50	55	60													
Arg	Ser	Gly	Lys	Asp	Pro	Asn	His	Phe	Arg	Pro	Ala	Gly	Leu	Pro	Glu
65															
Lys	Tyr														

<210> 140
<211> 65
<212> PRT
<213> Homo Sapiens

1	5	10	15												
Gly	Asn	Tyr	Asp	Ala	Ala	Lys	Arg	Gly	Pro	Gly	Gly	Val	Trp	Ala	Ala

Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg
 20 25 30
 Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg
 35 40 45
 Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys
 50 55 60
 Tyr
 65

<210> 141
<211> 64
<212> PRT
<213> Homo Sapiens

<400> 141
 Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu
 1 5 10 15
 Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly
 20 25 30
 Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser
 35 40 45
 Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 50 55 60

<210> 142
<211> 63
<212> PRT
<213> Homo Sapiens

<400> 142
 Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala
 1 5 10 15
 Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala
 20 25 30
 Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly
 35 40 45
 Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 50 55 60

<210> 143
<211> 62
<212> PRT
<213> Homo Sapiens

<400> 143
 Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile
 1 5 10 15
 Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu
 20 25 30
 Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys
 35 40 45
 Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr

50 55 60

<210> 144
<211> 61
<212> PRT
<213> Homo Sapiens

<400> 144
Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser
1 5 10 15
Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp
20 25 30
Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp
35 40 45
Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
50 55 60

<210> 145
<211> 60
<212> PRT
<213> Homo Sapiens

<400> 145
Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn
1 5 10 15
Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser
20 25 30
Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro
35 40 45
Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
50 55 60

<210> 146
<211> 59
<212> PRT
<213> Homo Sapiens

<400> 146
Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala
1 5 10 15
Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu
20 25 30
Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn
35 40 45
His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
50 55

<210> 147
<211> 58
<212> PRT
<213> Homo Sapiens

<400> 147

Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg
 1 5 10 15
 Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala
 20 25 30
 Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His
 35 40 45
 Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 50 55

<210> 148

<211> 57
 <212> PRT
 <213> Homo Sapiens

<400> 148

Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 1 5 10 15
 Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
 20 25 30
 Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe
 35 40 45
 Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 50 55

<210> 149

<211> 56
 <212> PRT
 <213> Homo Sapiens

<400> 149

Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn
 1 5 10 15
 Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln
 20 25 30
 Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg
 35 40 45
 Pro Ala Gly Leu Pro Glu Lys Tyr
 50 55

<210> 150

<211> 55
 <212> PRT
 <213> Homo Sapiens

<400> 150

Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile
 1 5 10 15
 Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala
 20 25 30
 Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro

35	40	45				
Ala	Gly	Leu	Pro	Glu	Lys	Tyr
50		55				

<210> 151
<211> 54
<212> PRT
<213> Homo Sapiens

<400> 151
Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln
1 5 10 15
Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala
20 25 30
Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala
35 40 45
Gly Leu Pro Glu Lys Tyr
50

<210> 152
<211> 53
<212> PRT
<213> Homo Sapiens

<400> 152
Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg
1 5 10 15
Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn
20 25 30
Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly
35 40 45
Leu Pro Glu Lys Tyr
50

<210> 153
<211> 52
<212> PRT
<213> Homo Sapiens

<400> 153
Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe
1 5 10 15
Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu
20 25 30
Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu
35 40 45
Pro Glu Lys Tyr
50

<210> 154
<211> 51

<212> PRT

<213> Homo Sapiens

<400> 154

Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe
 1 5 10 15
 Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp
 20 25 30
 Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro
 35 40 45
 Glu Lys Tyr
 50

<210> 155

<211> 51

<212> PRT

<213> Homo Sapiens

<400> 155

Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe
 1 5 10 15
 Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp
 20 25 30
 Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro
 35 40 45
 Glu Lys Tyr
 50

<210> 156

<211> 49

<212> PRT

<213> Homo Sapiens

<400> 156

Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg
 1 5 10 15
 Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg
 20 25 30
 Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys
 35 40 45
 Tyr

<210> 157

<211> 48

<212> PRT

<213> Homo Sapiens

<400> 157

Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly
 1 5 10 15
 Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser

20	25	30
Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr		
35	40	45

<210> 158
<211> 47
<212> PRT
<213> Homo Sapiens

<400> 158
Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala
1 5 10 15
Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly
20 25 30
Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
35 40 45

<210> 159
<211> 46
<212> PRT
<213> Homo Sapiens

<400> 159
Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu
1 5 10 15
Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys
20 25 30
Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
35 40 45

<210> 160
<211> 45
<212> PRT
<213> Homo Sapiens

<400> 160
Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp
1 5 10 15
Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp
20 25 30
Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
35 40 45

<210> 161
<211> 44
<212> PRT
<213> Homo Sapiens

<400> 161
Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser
1 5 10 15

Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro
 20 25 30
 Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 35 40

<210> 162
<211> 43
<212> PRT
<213> Homo Sapiens

<400> 162
 Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu
 1 5 10 15
 Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn
 20 25 30
 His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 35 40

<210> 163
<211> 42
<212> PRT
<213> Homo Sapiens

<400> 163
 Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala
 1 5 10 15
 Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His
 20 25 30
 Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 35 40

<210> 164
<211> 41
<212> PRT
<213> Homo Sapiens

<400> 164
 Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
 1 5 10 15
 Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe
 20 25 30
 Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 35 40

<210> 165
<211> 40
<212> PRT
<213> Homo Sapiens

<400> 165
 Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln

1	5	10	15												
Ala	Ala	Asn	Glu	Trp	Gly	Arg	Ser	Gly	Lys	Asp	Pro	Asn	His	Phe	Arg
20	25	30													
Pro	Ala	Gly	Leu	Pro	Glu	Lys	Tyr								
35	40														

<210> 166
<211> 39
<212> PRT
<213> Homo Sapiens

<400> 166
Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala
1 5 10 15
Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro
20 25 30
Ala Gly Leu Pro Glu Lys Tyr
35

<210> 167
<211> 38
<212> PRT
<213> Homo Sapiens

<400> 167
Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala
1 5 10 15
Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala
20 25 30
Gly Leu Pro Glu Lys Tyr
35

<210> 168
<211> 37
<212> PRT
<213> Homo Sapiens

<400> 168
Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn
1 5 10 15
Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly
20 25 30
Leu Pro Glu Lys Tyr
35

<210> 169
<211> 35
<212> PRT
<213> Homo Sapiens

<400> 169

Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp
 1 5 10 15
 Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro
 20 25 30
 Glu Lys Tyr
 35

<210> 170
<211> 34
<212> PRT
<213> Homo Sapiens

<400> 170
 Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly
 1 5 10 15
 Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu
 20 25 30
 Lys Tyr

<210> 171
<211> 33
<212> PRT
<213> Homo Sapiens

<400> 171
 Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg
 1 5 10 15
 Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys
 20 25 30
 Tyr

<210> 172
<211> 32
<212> PRT
<213> Homo Sapiens

<400> 172
 Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser
 1 5 10 15
 Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 20 25 30

<210> 173
<211> 31
<212> PRT
<213> Homo Sapiens

<400> 173
 Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly

1	5	10	15	
Lys	Asp	Pro	Asn	His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
20		25		30

<210> 174
<211> 30
<212> PRT
<213> Homo Sapiens

<400> 174
Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys
1 5 10 15
Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
20 25 30

<210> 175
<211> 29
<212> PRT
<213> Homo Sapiens

<400> 175
Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp
1 5 10 15
Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
20 25

<210> 176
<211> 28
<212> PRT
<213> Homo Sapiens

<400> 176
Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro
1 5 10 15
Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
20 25

<210> 177
<211> 27
<212> PRT
<213> Homo Sapiens

<400> 177
Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn
1 5 10 15
His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
20 25

<210> 178
<211> 26

<212> PRT

<213> Homo Sapiens

<400> 178

Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His
 1 5 10 15
 Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 20 25

<210> 179

<211> 25

<212> PRT

<213> Homo Sapiens

<400> 179

Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe
 1 5 10 15
 Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 20 25

<210> 180

<211> 24

<212> PRT

<213> Homo Sapiens

<400> 180

Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg
 1 5 10 15
 Pro Ala Gly Leu Pro Glu Lys Tyr
 20

<210> 181

<211> 23

<212> PRT

<213> Homo Sapiens

<400> 181

Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro
 1 5 10 15
 Ala Gly Leu Pro Glu Lys Tyr
 20

<210> 182

<211> 22

<212> PRT

<213> Homo Sapiens

<400> 182

Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala
 1 5 10 15
 Gly Leu Pro Glu Lys Tyr

20

<210> 183
<211> 21
<212> PRT
<213> Homo Sapiens

<400> 183
Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly
1 5 10 15
Leu Pro Glu Lys Tyr
20

<210> 184
<211> 20
<212> PRT
<213> Homo Sapiens

<400> 184
Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu
1 5 10 15
Pro Glu Lys Tyr
20

<210> 185
<211> 19
<212> PRT
<213> Homo Sapiens

<400> 185
Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro
1 5 10 15
Glu Lys Tyr

<210> 186
<211> 18
<212> PRT
<213> Homo Sapiens

<400> 186
Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu
1 5 10 15
Lys Tyr

<210> 187
<211> 17
<212> PRT
<213> Homo Sapiens

<400> 187

Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys
1 5 10 15
Tyr

<210> 188

<211> 16

<212> PRT

<213> Homo Sapiens

<400> 188

Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
1 5 10 15

<210> 189

<211> 15

<212> PRT

<213> Homo Sapiens

<400> 189

Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
1 - 5 10 15

<210> 190

<211> 14

<212> PRT

<213> Homo Sapiens

<400> 190

Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
1 5 10

<210> 191

<211> 13

<212> PRT

<213> Homo Sapiens

<400> 191

Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
1 5 10

<210> 192

<211> 12

<212> PRT

<213> Homo Sapiens

<400> 192

Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr

1 5 10

<210> 193
<211> 11
<212> PRT
<213> Homo Sapiens

<400> 193
His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
1 5 10

<210> 194
<211> 10
<212> PRT
<213> Homo Sapiens

<400> 194
Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
1 5 10

<210> 195
<211> 9
<212> PRT
<213> Homo Sapiens

<400> 195
Arg Pro Ala Gly Leu Pro Glu Lys Tyr
1 5

<210> 196
<211> 8
<212> PRT
<213> Homo Sapiens

<400> 196
Pro Ala Gly Leu Pro Glu Lys Tyr
1 5

<210> 197
<211> 7
<212> PRT
<213> Homo Sapiens

<400> 197
Ala Gly Leu Pro Glu Lys Tyr
1 5

<210> 198
<211> 6

<212> PRT
 <213> Homo Sapiens

<400> 198
 Gly Leu Pro Glu Lys Tyr
 1 5

<210> 199
 <211> 5
 <212> PRT
 <213> Homo Sapiens

<400> 199
 Leu Pro Glu Lys Tyr
 1 5

<210> 200
 <211> 4
 <212> PRT
 <213> Homo Sapiens

<400> 200
 Pro Glu Lys Tyr
 1

<210> 201
 <211> 99
 <212> PRT
 <213> Homo Sapiens

<400> 201
 Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg Asp Met Trp Arg Ala Tyr
 1 5 10 15
 Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His
 20 25 30
 Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Val Trp
 35 40 45
 Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe
 50 55 60
 Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp
 65 70 75 80
 Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro
 85 90 95
 Glu Lys Tyr

<210> 202
 <211> 97
 <212> PRT
 <213> Homo Sapiens

<400> 202
 Gly Glu Ala Phe Asp Gly Ala Arg Asp Met Trp Arg Ala Tyr Ser Asp
 1 5 10 15
 Met Arg Glu Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His Ala Arg
 20 25 30
 Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala
 35 40 45
 Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg
 50 55 60
 Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg
 65 70 75 80
 Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys
 85 90 95
 Tyr

<210> 203
<211> 99
<212> PRT
<213> Homo Sapiens

<400> 203
 Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg Asp Met Trp Arg Ala Tyr
 1 5 10 15
 Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His
 20 25 30
 Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp
 35 40 45
 Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe
 50 55 60
 Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp
 65 70 75 80
 Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro
 85 90 95
 Glu Lys Tyr

<210> 204
<211> 101
<212> PRT
<213> Homo Sapiens

<400> 204
 Phe Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg Asp Met Trp Arg
 1 5 10 15
 Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly Ser Asp Lys Tyr
 20 25 30
 Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly
 35 40 45
 Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg
 50 55 60
 Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn
 65 70 75 80

Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly
 85 90 95
 Leu Pro Glu Lys Tyr
 100

<210> 205
 <211> 100
 <212> PRT
 <213> Homo Sapiens

<400> 205
 Ser Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg Asp Met Trp Arg Ala
 1 5 10 15
 Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe
 20 25 30
 His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val
 35 40 45
 Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe
 50 55 60
 Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu
 65 70 75 80
 Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu
 85 90 95
 Pro Glu Lys Tyr
 100

<210> 206
 <211> 99
 <212> PRT
 <213> Homo Sapiens

<400> 206
 Phe Leu Gly Glu Ala Phe Asp Gly Ala Arg Asp Met Trp Arg Ala Tyr
 1 5 10 15
 Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His
 20 25 30
 Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp
 35 40 45
 Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe
 50 55 60
 Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp
 65 70 75 80
 Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro
 85 90 95
 Glu Lys Tyr

<210> 207
 <211> 98
 <212> PRT
 <213> Homo Sapiens

<400> 207

Leu Gly Glu Ala Phe Asp Gly Ala Arg Asp Met Trp Arg Ala Tyr Ser
 1 5 10 15
 Asp Met Arg Glu Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His Ala
 20 25 30
 Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala
 35 40 45
 Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly
 50 55 60
 Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly
 65 70 75 80
 Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu
 85 90 95
 Lys Tyr

<210> 208

<211> 97
 <212> PRT
 <213> Homo Sapiens

<400> 208

Gly Glu Ala Phe Asp Gly Ala Arg Asp Met Trp Arg Ala Tyr Ser Asp
 1 5 10 15
 Met Arg Glu Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His Ala Arg
 20 25 30
 Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala
 35 40 45
 Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg
 50 55 60
 Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg
 65 70 75 80
 Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys
 85 90 95
 Tyr

<210> 209

<211> 96
 <212> PRT
 <213> Homo Sapiens

<400> 209

Glu Ala Phe Asp Gly Ala Arg Asp Met Trp Arg Ala Tyr Ser Asp Met
 1 5 10 15
 Arg Glu Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His Ala Arg Gly
 20 25 30
 Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu
 35 40 45
 Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly
 50 55 60
 Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser
 65 70 75 80

Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 85 90 95

<210> 210
 <211> 95
 <212> PRT
 <213> Homo Sapiens

<400> 210
 Ala Phe Asp Gly Ala Arg Asp Met Trp Arg Ala Tyr Ser Asp Met Arg
 1 5 10 15
 Glu Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His Ala Arg Gly Asn
 20 25 30
 Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala
 35 40 45
 Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala
 50 55 60
 Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly
 65 70 75 80
 Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 85 90 95

<210> 211
 <211> 94
 <212> PRT
 <213> Homo Sapiens

<400> 211
 Phe Asp Gly Ala Arg Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu
 1 5 10 15
 Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr
 20 25 30
 Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile
 35 40 45
 Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu
 50 55 60
 Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys
 65 70 75 80
 Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 85 90

<210> 212
 <211> 93
 <212> PRT
 <213> Homo Sapiens

<400> 212
 Asp Gly Ala Arg Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala
 1 5 10 15
 Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp
 20 25 30
 Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser

35	40	45
Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp		
50	55	60
Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp		
65	70	75
Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr	80	
	85	90

<210> 213
<211> 92
<212> PRT
<213> Homo Sapiens

<400> 213
Gly Ala Arg Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn
1 5 10 15
Tyr Ile Gly Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala
20 25 30
Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn
35 40 45
Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser
50 55 60
Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro
65 70 75 80
Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
85 90

<210> 214
<211> 91
<212> PRT
<213> Homo Sapiens

<400> 214
Ala Arg Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr
1 5 10 15
Ile Gly Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala
20 25 30
Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala
35 40 45
Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu
50 55 60
Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn
65 70 75 80
His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
85 90

<210> 215
<211> 90
<212> PRT
<213> Homo Sapiens

<400> 215

Arg Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile
 1 5 10 15
 Gly Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys
 20 25 30
 Arg Gly Pro Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg
 35 40 45
 Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala
 50 55 60
 Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His
 65 70 75 80
 Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 85 90

<210> 216
<211> 89
<212> PRT
<213> Homo Sapiens

<400> 216
Asp Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly
 1 5 10 15
 Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg
 20 25 30
 Gly Pro Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 35 40 45
 Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
 50 55 60
 Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe
 65 70 75 80
 Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 85

<210> 217
<211> 88
<212> PRT
<213> Homo Sapiens

<400> 217
Met Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly Ser
 1 5 10 15
 Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly
 20 25 30
 Pro Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn
 35 40 45
 Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln
 50 55 60
 Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg
 65 70 75 80
 Pro Ala Gly Leu Pro Glu Lys Tyr
 85

<210> 218

<211> 87
<212> PRT
<213> Homo Sapiens

<400> 218
Trp Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly Ser Asp
1 5 10 15
Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro
20 25 30
Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile
35 40 45
Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala
50 55 60
Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro
65 70 75 80
Ala Gly Leu Pro Glu Lys Tyr
85

<210> 219
<211> 86
<212> PRT
<213> Homo Sapiens

<400> 219
Arg Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly Ser Asp Lys
1 5 10 15
Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly
20 25 30
Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln
35 40 45
Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala
50 55 60
Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala
65 70 75 80
Gly Leu Pro Glu Lys Tyr
85

<210> 220
<211> 85
<212> PRT
<213> Homo Sapiens

<400> 220
Ala Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly Ser Asp Lys Tyr
1 5 10 15
Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly
20 25 30
Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg
35 40 45
Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn
50 55 60
Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly
65 70 75 80

Leu Pro Glu Lys Tyr
85

<210> 221
<211> 84
<212> PRT
<213> Homo Sapiens

<400> 221
Tyr Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe
1 5 10 15
His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Val
20 25 30
Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe
35 40 45
Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu
50 55 60
Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu
65 70 75 80
Pro Glu Lys Tyr

<210> 222
<211> 83
<212> PRT
<213> Homo Sapiens

<400> 222
Ser Asp Met Arg Glu Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His
1 5 10 15
Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Val Trp
20 25 30
Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe
35 40 45
Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp
50 55 60
Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro
65 70 75 80
Glu Lys Tyr

<210> 223
<211> 82
<212> PRT
<213> Homo Sapiens

<400> 223
Asp Met Arg Glu Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His Ala
1 5 10 . 15
Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Val Trp Ala
20 25 30
Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly

35	40	45														
Arg	Gly	Ala	Glu	Asp	Ser	Leu	Ala	Asp	Gln	Ala	Ala	Asn	Glu	Trp	Gly	
50		55		60												
Arg	Ser	Gly	Lys	Asp	Pro	Asn	His	Phe	Arg	Pro	Ala	Gly	Leu	Pro	Glu	
65		70		75		80										
Lys Tyr																

<210> 224
<211> 81
<212> PRT
<213> Homo Sapiens

<400> 224																
Met	Arg	Glu	Ala	Asn	Tyr	Ile	Gly	Ser	Asp	Lys	Tyr	Phe	His	Ala	Arg	
1	5		10		15											
Gly	Asn	Tyr	Asp	Ala	Ala	Lys	Arg	Gly	Pro	Gly	Gly	Val	Trp	Ala	Ala	
20		25		30												
Glu	Ala	Ile	Ser	Asn	Ala	Arg	Glu	Asn	Ile	Gln	Arg	Phe	Phe	Gly	Arg	
35		40		45												
Gly	Ala	Glu	Asp	Ser	Leu	Ala	Asp	Gln	Ala	Ala	Asn	Glu	Trp	Gly	Arg	
50		55		60												
Ser	Gly	Lys	Asp	Pro	Asn	His	Phe	Arg	Pro	Ala	Gly	Leu	Pro	Glu	Lys	
65		70		75		80										
Tyr																

<210> 225
<211> 80
<212> PRT
<213> Homo Sapiens

<400> 225																
Arg	Glu	Ala	Asn	Tyr	Ile	Gly	Ser	Asp	Lys	Tyr	Phe	His	Ala	Arg	Gly	
1	5		10		15											
Asn	Tyr	Asp	Ala	Ala	Lys	Arg	Gly	Pro	Gly	Gly	Val	Trp	Ala	Ala	Glu	
20		25		30												
Ala	Ile	Ser	Asn	Ala	Arg	Glu	Asn	Ile	Gln	Arg	Phe	Phe	Gly	Arg	Gly	
35		40		45												
Ala	Glu	Asp	Ser	Leu	Ala	Asp	Gln	Ala	Ala	Asn	Glu	Trp	Gly	Arg	Ser	
50		55		60												
Gly	Lys	Asp	Pro	Asn	His	Phe	Arg	Pro	Ala	Gly	Leu	Pro	Glu	Lys	Tyr	
65		70		75		80										

<210> 226
<211> 79
<212> PRT
<213> Homo Sapiens

<400> 226																
Glu	Ala	Asn	Tyr	Ile	Gly	Ser	Asp	Lys	Tyr	Phe	His	Ala	Arg	Gly	Asn	
1	5		10		15											

Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala
 20 25 30
 Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala
 35 40 45
 Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly
 50 55 60
 Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 65 70 75

<210> 227
 <211> 78
 <212> PRT
 <213> Homo Sapiens

<400> 227
 Ala Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr
 1 5 10 15
 Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile
 20 25 30
 Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu
 35 40 45
 Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys
 50 55 60
 Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 65 70 75

<210> 228
 <211> 77
 <212> PRT
 <213> Homo Sapiens

<400> 228
 Asn Tyr Ile Gly Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp
 1 5 10 15
 Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser
 20 25 30
 Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp
 35 40 45
 Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp
 50 55 60
 Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 65 70 75

<210> 229
 <211> 76
 <212> PRT
 <213> Homo Sapiens

<400> 229
 Tyr Ile Gly Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala
 1 5 10 15
 Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn

20	25	30
Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser		
35	40	45
Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro		
50	55	60
Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr		
65	70	75

<210> 230
<211> 75
<212> PRT
<213> Homo Sapiens

1	5	10	15
Ile Gly Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala			
Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala			
20	25	30	
Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu			
35	40	45	
Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn			
50	55	60	
His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr			
65	70	75	

<210> 231
<211> 74
<212> PRT
<213> Homo Sapiens

1	5	10	15
Gly Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys			
Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg			
20	25	30	
Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala			
35	40	45	
Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His			
50	55	60	
Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr			
65	70		

<210> 232
<211> 73
<212> PRT
<213> Homo Sapiens

1	5	10	15
Ser Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg			
Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu			
20	25	30	

Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
 35 40 45
 Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe
 50 55 60
 Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 65 70

<210> 233
<211> 72
<212> PRT
<213> Homo Sapiens

<400> 233
 Asp Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly
 1 5 10 15
 Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn
 20 25 30
 Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln
 35 40 45
 Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg
 50 55 60
 Pro Ala Gly Leu Pro Glu Lys Tyr
 65 70

<210> 234
<211> 71
<212> PRT
<213> Homo Sapiens

<400> 234
 Lys Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro
 1 5 10 15
 Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile
 20 25 30
 Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala
 35 40 45
 Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro
 50 55 60
 Ala Gly Leu Pro Glu Lys Tyr
 65 70

<210> 235
<211> 70
<212> PRT
<213> Homo Sapiens

<400> 235
 Tyr Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly
 1 5 10 15
 Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln
 20 25 30
 Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala

35	40	45
Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala		
50	55	60
Gly Leu Pro Glu Lys Tyr		
65	70	

<210> 236
<211> 69
<212> PRT
<213> Homo Sapiens

<400> 236
Phe His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly
1 5 10 15
Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg
20 25 30
Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn
35 40 45
Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly
50 55 60
Leu Pro Glu Lys Tyr
65

<210> 237
<211> 68
<212> PRT
<213> Homo Sapiens

<400> 237
His Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val
1 5 10 15
Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe
20 25 30
Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu
35 40 45
Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu
50 55 60
Pro Glu Lys Tyr
65

<210> 238
<211> 67
<212> PRT
<213> Homo Sapiens

<400> 238
Ala Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp
1 5 10 15
Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe
20 25 30
Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp
35 40 45

Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro
 50 55 60
 Glu Lys Tyr
 65

<210> 239
<211> 66
<212> PRT
<213> Homo Sapiens

<400> 239
Arg Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Val Trp Ala
 1 5 10 15
Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly
 20 25 30
Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly
 35 40 45
Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu
 50 55 60
Lys Tyr
 65

<210> 240
<211> 65
<212> PRT
<213> Homo Sapiens

<400> 240
Gly Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Val Trp Ala Ala
 1 5 10 15
Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg
 20 25 30
Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg
 35 40 45
Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys
 50 55 60
Tyr
 65

<210> 241
<211> 64
<212> PRT
<213> Homo Sapiens

<400> 241
Asn Tyr Asp Ala Ala Lys Arg Gly Pro Gly Val Trp Ala Ala Glu
 1 5 10 15
Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly
 20 25 30
Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser
 35 40 45
Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr

50 55 60

<210> 242
<211> 63
<212> PRT
<213> Homo Sapiens

<400> 242
Tyr Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala
1 5 10 15
Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala
20 25 30
Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly
35 40 45
Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
50 55 60

<210> 243
<211> 62
<212> PRT
<213> Homo Sapiens

<400> 243
Asp Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile
1 5 10 15
Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu
20 25 30
Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys
35 40 45
Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
50 55 60

<210> 244
<211> 61
<212> PRT
<213> Homo Sapiens

<400> 244
Ala Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser
1 5 10 15
Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp
20 25 30
Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Asp
35 40 45
Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
50 55 60

<210> 245
<211> 60
<212> PRT
<213> Homo Sapiens

<400> 245

Ala Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn
 1 5 10 15
 Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser
 20 25 30
 Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro
 35 40 45
 Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 50 55 60

<210> 246

<211> 59
 <212> PRT
 <213> Homo Sapiens

<400> 246

Lys Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala
 1 5 10 15
 Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu
 20 25 30
 Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn
 35 40 45
 His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 50 55

<210> 247

<211> 58
 <212> PRT
 <213> Homo Sapiens

<400> 247

Arg Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg
 1 5 10 15
 Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala
 20 25 30
 Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His
 35 40 45
 Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 50 55

<210> 248

<211> 57
 <212> PRT
 <213> Homo Sapiens

<400> 248

Gly Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu
 1 5 10 15
 Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp
 20 25 30
 Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe

35 40 45
 Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 50 55

<210> 249
<211> 56
<212> PRT
<213> Homo Sapiens

<400> 249
 Pro Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn
 1 5 10 15
 Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln
 20 25 30
 Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg
 35 40 45
 Pro Ala Gly Leu Pro Glu Lys Tyr
 50 55

<210> 250
<211> 55
<212> PRT
<213> Homo Sapiens

<400> 250
 Gly Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile
 1 5 10 15
 Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala
 20 25 30
 Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro
 35 40 45
 Ala Gly Leu Pro Glu Lys Tyr
 50 55

<210> 251
<211> 54
<212> PRT
<213> Homo Sapiens

<400> 251
 Gly Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln
 1 5 10 15
 Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala
 20 25 30
 Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala
 35 40 45
 Gly Leu Pro Glu Lys Tyr
 50

<210> 252
<211> 53

<212> PRT

<213> Homo Sapiens

<400> 252

Val Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg
 1 5 10 15
 Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn
 20 25 30
 Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly
 35 40 45
 Leu Pro Glu Lys Tyr
 50

<210> 253

<211> 52

<212> PRT

<213> Homo Sapiens

<400> 253

Trp Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe
 1 5 10 15
 Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu
 20 25 30
 Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu
 35 40 45
 Pro Glu Lys Tyr
 50

<210> 254

<211> 51

<212> PRT

<213> Homo Sapiens

<400> 254

Ala Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe
 1 5 10 15
 Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp
 20 25 30
 Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro
 35 40 45
 Glu Lys Tyr
 50

<210> 255

<211> 50

<212> PRT

<213> Homo Sapiens

<400> 255

Ala Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly
 1 5 10 15
 Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly

20	25	30
Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu		
35	40	45
Lys Tyr		
50		

<210> 256
<211> 49
<212> PRT
<213> Homo Sapiens

<400> 256
Glu Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg
1 5 10 15
Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg
20 25 30
Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys
35 40 45
Tyr

<210> 257
<211> 48
<212> PRT
<213> Homo Sapiens

<400> 257
Ala Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly
1 5 10 15
Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser
20 25 30
Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
35 40 45

<210> 258
<211> 47
<212> PRT
<213> Homo Sapiens

<400> 258
Ile Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala
1 5 10 15
Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly
20 25 30
Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
35 40 45

<210> 259
<211> 46
<212> PRT
<213> Homo Sapiens

<400> 259

Ser Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu
 1 5 10 15
 Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys
 20 25 30
 Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 35 40 45

<210> 260

<211> 45
 <212> PRT
 <213> Homo Sapiens

<400> 260

Asn Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp
 1 5 10 15
 Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp
 20 25 30
 Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 35 40 45

<210> 261

<211> 44
 <212> PRT
 <213> Homo Sapiens

<400> 261

Ala Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser
 1 5 10 15
 Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro
 20 25 30
 Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 35 40

<210> 262

<211> 43
 <212> PRT
 <213> Homo Sapiens

<400> 262

Arg Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu
 1 5 10 15
 Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn
 20 25 30
 His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 35 40

<210> 263

<211> 42
 <212> PRT

<213> Homo Sapiens

<400> 263

Glu Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala				
1	5	10	15	
Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His				
20	25	30		
Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr				
35	40			

<210> 264

<211> 41

<212> PRT

<213> Homo Sapiens

<400> 264

Asn Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp				
1	5	10	15	
Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe				
20	25	30		
Arg Pro Ala Gly Leu Pro Glu Lys Tyr				
35	40			

<210> 265

<211> 40

<212> PRT

<213> Homo Sapiens

<400> 265

Ile Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln				
1	5	10	15	
Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg				
20	25	30		
Pro Ala Gly Leu Pro Glu Lys Tyr				
35	40			

<210> 266

<211> 39

<212> PRT

<213> Homo Sapiens

<400> 266

Gln Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala				
1	5	10	15	
Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro				
20	25	30		
Ala Gly Leu Pro Glu Lys Tyr				
35				

<210> 267

<211> 38

<212> PRT

<213> Homo Sapiens

<400> 267

Arg Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala
 1 5 10 15
 Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala
 20 25 30
 Gly Leu Pro Glu Lys Tyr
 35

<210> 268

<211> 37

<212> PRT

<213> Homo Sapiens

<400> 268

Phe Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn
 1 5 10 15
 Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly
 20 25 30
 Leu Pro Glu Lys Tyr
 35

<210> 269

<211> 36

<212> PRT

<213> Homo Sapiens

<400> 269

Phe Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu
 1 5 10 15
 Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu
 20 25 30
 Pro Glu Lys Tyr
 35

<210> 270

<211> 35

<212> PRT

<213> Homo Sapiens

<400> 270

Gly Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp
 1 5 10 15
 Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro
 20 25 30
 Glu Lys Tyr
 35

<210> 271

<211> 34
 <212> PRT
 <213> Homo Sapiens

<400> 271
 Arg Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly
 1 5 10 15
 Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu
 20 25 30
 Lys Tyr

<210> 272
 <211> 33
 <212> PRT
 <213> Homo Sapiens

<400> 272
 Gly Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg
 1 5 10 15
 Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys
 20 25 30
 Tyr

<210> 273
 <211> 32
 <212> PRT
 <213> Homo Sapiens

<400> 273
 Ala Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser
 1 5 10 15
 Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 20 25 30

<210> 274
 <211> 31
 <212> PRT
 <213> Homo Sapiens

<400> 274
 Glu Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly
 1 5 10 15
 Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 20 25 30

<210> 275
 <211> 30
 <212> PRT
 <213> Homo Sapiens

<400> 275

Asp Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys
 1 5 10 15
 Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 20 25 30

<210> 276

<211> 29
 <212> PRT
 <213> Homo Sapiens

<400> 276

Ser Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp
 1 5 10 15
 Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 20 25

<210> 277

<211> 28
 <212> PRT
 <213> Homo Sapiens

<400> 277

Leu Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro
 1 5 10 15
 Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 20 25

<210> 278

<211> 27
 <212> PRT
 <213> Homo Sapiens

<400> 278

Ala Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn
 1 5 10 15
 His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 20 25

<210> 279

<211> 26
 <212> PRT
 <213> Homo Sapiens

<400> 279

Asp Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His
 1 5 10 15
 Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 20 25

<210> 280
<211> 25
<212> PRT
<213> Homo Sapiens

<400> 280
Gln Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe
1 5 10 15
Arg Pro Ala Gly Leu Pro Glu Lys Tyr
20 25

<210> 281
<211> 24
<212> PRT
<213> Homo Sapiens

<400> 281
Ala Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg
1 5 10 15
Pro Ala Gly Leu Pro Glu Lys Tyr
20

<210> 282
<211> 23
<212> PRT
<213> Homo Sapiens

<400> 282
Ala Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro
1 5 10 15
Ala Gly Leu Pro Glu Lys Tyr
20

<210> 283
<211> 22
<212> PRT
<213> Homo Sapiens

<400> 283
Asn Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala
1 5 10 15
Gly Leu Pro Glu Lys Tyr
20

<210> 284
<211> 21
<212> PRT
<213> Homo Sapiens

<400> 284

Glu Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly
 1 5 10 15
 Leu Pro Glu Lys Tyr
 20

<210> 285
 <211> 20
 <212> PRT
 <213> Homo Sapiens

<400> 285
 Trp Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu
 1 5 10 15
 Pro Glu Lys Tyr
 20

<210> 286
 <211> 19
 <212> PRT
 <213> Homo Sapiens

<400> 286
 Gly Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro
 1 5 10 15
 Glu Lys Tyr

<210> 287
 <211> 18
 <212> PRT
 <213> Homo Sapiens

<400> 287
 Arg Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu
 1 5 10 15
 Lys Tyr

<210> 288
 <211> 17
 <212> PRT
 <213> Homo Sapiens

<400> 288
 Ser Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys
 1 5 10 15
 Tyr

<210> 289

<211> 16
 <212> PRT
 <213> Homo Sapiens

<400> 289
 Gly Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 1 5 10 15

<210> 290
 <211> 15
 <212> PRT
 <213> Homo Sapiens

<400> 290
 Lys Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 1 5 10 15

<210> 291
 <211> 14
 <212> PRT
 <213> Homo Sapiens

<400> 291
 Asp Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 1 5 10

<210> 292
 <211> 13
 <212> PRT
 <213> Homo Sapiens

<400> 292
 Pro Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 1 5 10

<210> 293
 <211> 12
 <212> PRT
 <213> Homo Sapiens

<400> 293
 Asn His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
 1 5 10

<210> 294
 <211> 11
 <212> PRT
 <213> Homo Sapiens

<400> 294

His Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
1 5 10

<210> 295
<211> 10
<212> PRT
<213> Homo Sapiens

<400> 295
Phe Arg Pro Ala Gly Leu Pro Glu Lys Tyr
1 5 10

<210> 296
<211> 9
<212> PRT
<213> Homo Sapiens

<400> 296
Arg Pro Ala Gly Leu Pro Glu Lys Tyr
1 5

<210> 297
<211> 8
<212> PRT
<213> Homo Sapiens

<400> 297
Pro Ala Gly Leu Pro Glu Lys Tyr
1 5

<210> 298
<211> 7
<212> PRT
<213> Homo Sapiens

<400> 298
Ala Gly Leu Pro Glu Lys Tyr
1 5

<210> 299
<211> 6
<212> PRT
<213> Homo Sapiens

<400> 299
Gly Leu Pro Glu Lys Tyr
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